Flexibility and Performance with the IGEL Winestra-Series

The IGEL Winestra Series – Flexible, all-round talents

Demanding IT departments at modern companies and organizations require an IT architecture that combines performance, flexibility and security with maximum cost efficiency. IGEL Clever Clients of the Winestra Series represent particularly flexible and versatile variants of the Thin Client concept. Capable of integration into any available infrastructure without a problem, they have proven themselves as an ideal, universal desktop.

- **All-embracing system deployment possibilities with the most modern embedded operating systems, Microsoft Windows XP, Windows CE and Linux**
- **Numerous interfaces and protocols guarantee optimal integration into existing structures**
- **Optimal investment protection and future security through their above-average useful life**

The Future is Clever Clienting®

IGEL® TECHNOLOGY

Flexible and versatile:
IGEL Technology's Winestra-Series

Greatest reliability for every requirement
Flexibility, versatility, reliability and cost efficiency are the most outstanding characteristics of the Thin Clients of the Winestra Series from IGEL Technology. Model IGEL-4200 LX or CE Winestra and IGEL-4600 XP Winestra can be adapted, due to their simple and quick configurability, to any existing IT infrastructure and operated there as a universal desktop with high performance and great reliability. The most modern network protocols and software applications guarantee an extraordinarily broad application spectrum.

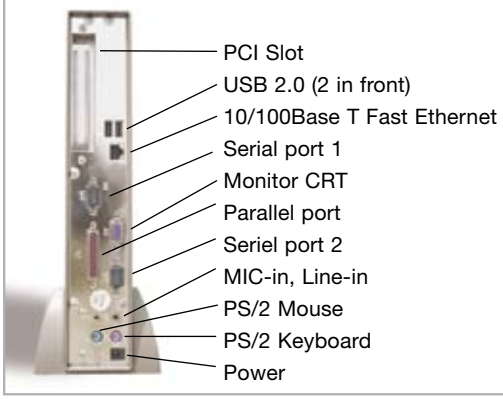
The IGEL Winestra Series – flexible All-rounder

- Greatest flexibility, due to its substantial design with network protocols and software applications
- Platform-independence and suitability for application in heterogeneous networks, due to its versatile, integrated interfaces and protocols
- Investment security is guaranteed through the its ability to adapt, problem-free, to changes in the network architecture
- Definitely reasonable price-performance ratio

Main features

- 800 MHz VIA CPU
- Integrated PCI-Slot for plugging in future peripherals
- 2 serial ports, 4 USB 2.0 ports
- PC/SC interface for the application of Smartcard Readers for problem-free, certificate-based authentication (optional)

Diverse Connectivity options



Clients for all operating systems
The Winestra Series is based on Windows CE, Windows XP Embedded or IGEL Embedded Flash Linux operating systems. Its high-performance hardware allows it to offer the necessary performance for effective work. IGEL-4200 LX is striking due to its connection to the very secure and stable operating system of Linux. What is convincing about the IGEL-4200 CE is its proven, fast user interface. The IGEL-4600 XP provides substantial possibilities to connect peripherals, the functional scope recognized from Windows XP, as well as numerous drivers.

Microsoft® Windows XP Embedded

Greatest flexibility for quick access
The Multi-talents can be installed in the most widely varying network topologies through integrated interfaces and are therefore predestined for operations in heterogeneous networks. This platform independence contributes significantly toward protecting your investment. Winestra Clients are also available by ISDN or DSL for use at external workstations and thus take this trend toward teleworking into account.

Optimal security for sensitive applications
Viruses have no chance at Thin Client workstations, since they cannot get established locally. However, the models of the IGEL Winestra Series offer numerous other security components. They thus allow application of Virtual Private Networks (VPN), through which, for example, several company networks can be linked to each other or home office workstations can be securely linked to the Intranet/LAN. The Winestra Series can be equipped with an internal Smartcard Reader as an option. With this, the user can integrate certificate-based authentication solutions without a problem and enjoy optimal access security.

Efficiency decreases costs
Total cost of ownership considerations represent a decisive argument for the migration to server-based computing. In addition to the reasonable cost of acquisition of Winestra Clients, their central manageability plays the most significant role here. Local software or hardware updates for each workstation, as well as the service, security and administrative expenses associated with single-station PC's are completely lacking. Thus, expenses can be effectively minimized, permanently. With its platform-independent, flexibility-oriented display and the central administration software contained within the scope of delivery, "IGEL Remote Management Suite", the IGEL Clever Clients of the Winestra Series, have proven to be an extremely effective factor in reducing operating expenses.

Specifications IGEL Winestra-Series

Hardware

CPU
VIA C3 LP CPU 800 MHz

RAM
128 MB (LX, CE), 256 MB (XP)
expandable up to 1 GB

Flash memory
128 MB (LX, CE) resp. 512 MB (XP),
optional expandable up to 1 GB

Display
VESA monitor support

Graphics resolution
24 Bit up to 1280 x 1024
16 Bit up to 1600 x 1200

Video Memory
8 MB UMA RAM

Audio
AC97 comp. audio chipset
16-bit stereo FM synthesizer
Built-in loudspeaker
3,5mm Stereo input/output jack

Networking
10/100 BaseT Fast Ethernet
Twisted Pair (RJ45)

Serial Interface
Two DB-9 RS-232C port,
baud rates up to 115.2 Kbps

Parallel Interface
DB-25 port, bi-directional

Other Interfaces
Four USB 2.0 ports and two PS/2 ports,
IDE port, PCI slot

Packed Weight

Net weight	7.5 lbs / 3,4 kg
Inner box	10.1 lbs / 4,6 kg

Measurements

Thin Client	11,42 x 2,09 x 9,06 in 290 x 53 x 230 mm
Inner box	14,37 x 14,17 x 4,53 in 365 x 360 x 115 mm

Environmental Conditions
Fanless convection-cooling

Soundless operation:	0 dB (A)
Operating	32°- 95° F 0° - 35° C
Storage	-4° - 140° F -20° - 60° C

Relative Humidity
5% - 95%, non-condensing

Power Requirements
Full-range autosensing
100~240 VAC, 50~60 Hz
External power supply
max. power consumption 48 Watt

IGEL-4200 LX (Linux-based)

Operating System
IGEL embedded Flash Linux, based on a modular, read-only file system

Management
Complete control via the IGEL Remote Management Suite
Local set-up configuration
ThinPrint Client
Fail-safe FTP firmware update

Set-up and Configuration
Local boot
User-friendly configuration mask
Configurable auto-login
Multilingual keyboard support

Network Protocols
TCP/IP, DNS, DHCP, LPD, PXE
Wake-on-LAN
PPP
PPPoE (DSL via onboard-LAN)
PPTP (VPN)
WLAN 802.11g (via optional external USB)

Communication Protocols
ICA for Citrix Presentation Server
Extended Citrix Program Neighborhood functionality
Linux RDP Client for Microsoft Windows Server
PowerTerm Emulation Suite with Kerberos Support
X11R6, XDMCP

Internet
Firefox Browser, Acrobat Reader, Flash Player

Additional software features
Cisco VPN-Client

IGEL-4200 CE (Windows-based)

Operating System
Microsoft Windows CE 5.0, based on a modular, read-only file system

Management
Complete control via the IGEL Remote Management Suite
Local set-up configuration
ThinPrint Client
Fail-safe FTP firmware update

Set-up and Configuration
Local boot
User-friendly configuration mask
Configurable auto-login
Multilingual keyboard support

Network Protocols
TCP/IP, DNS, DHCP, PXE
Wake-on-LAN
PPPoE (DSL via onboard-LAN)
PPTP + L2TP (VPN)

Communication Protocols
ICA for Citrix Presentation Server
Citrix Program Neighborhood Lite functionality
Microsoft RDP Client for Microsoft Windows Server
PowerTerm Emulation Suite

Internet
Microsoft Internet Explorer

Additional software features
Media Player 6.4

IGEL-4600 XP (Windows-based)

Operating System
MS Windows XP Embedded

Management
Control of the most important settings via the IGEL Remote Management Suite
Local set-up configuration
ThinPrint Client
Fail-safe HTTP Firmware Update

Set-up and Configuration
Local boot
User-friendly configuration mask
Configurable auto-login
Multilingual keyboard support

Network Protocols
TCP/IP, DNS, DHCP, PXE
Wake-on-LAN
PPPoE (DSL via onboard-LAN)
PPTP + L2TP (VPN)
SNMP

Communication Protocols
ICA for Citrix Presentation Server
Citrix Program Neighborhood functionality
Microsoft RDP Client for Microsoft Windows Server
PowerTerm Emulation Suite, incl. WebConnect-Support

Internet
Microsoft Internet Explorer
Macromedia Shockwave

Additional software features
Media Player 9.0
WLAN 802.11g (incl. WPA-PKS)
Java Runtime Environment (SUN 1.5.0)
.NET support

Optionen

The resistant metal casing is available in black, PC-grey or bicolor silver-grey metallic.

Regulatory Compliance

CE, FCC, CUL, UL, TÜV/GS, WEEE

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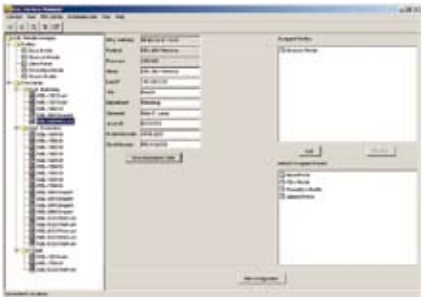
IT decision-makers rely on
IGEL Clever Clients.

Flexibility and timesaving
Performance and flexibility distinguish server-based computing with IGEL Clever Clients. They are thus appropriate for many sectors, especially if work must be done at different locations. Albert Herrmann, EDP Director of an automobile parts manufacturer, with more than 1,700 employees, sees it this way:

"When we decided to switch to Thin Clients of the Winestra Series, the modern and economically efficient design of our IT infrastructure had the highest priority. All applications are now centrally managed, with the main load remaining on the server. With a company spread out over more than 60 branches, this means an enormous savings potential, as regards administration and servicing time. Software updates at the press of a button save us the previously time-consuming and cost-intensive, individual support of workstations. The possibility of central hardware expansion in accordance with changing requirements also ensures the necessary flexibility."

IGEL Remote Management Suite.
Central management made easy.



A significant advantage of IGEL Clever Clients is the central management capability. The IGEL Remote Manager is a powerful tool to facilitate the management in your desktop infrastructure and to substantially reduce TCO (Total Cost of Ownership). For example, even large quantities of clients are quickly and easily configured by importing Mac address lists. The Remote Management Suite comes as a standard feature with IGEL Thin Clients and updates for both Remote Manager and Client firmware are free for the life of the unit.

IGEL. The Clever Clienting Company

IGEL Technology with its internally developed Linux- and Windows-based thin clients is one of the most innovative manufacturers in the world. IGEL ranks among the top five thin client manufacturers worldwide.

Standard 2-year guarantee; if you register online within 90 days after the date of purchase, the guarantee will be extended to 3 years.

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